

# OPTIMIZED MAMs MANAGEMENT WITHIN CDMD-OA



## CINC MAMs MSG/ALLOWANCE OPTIMIZATION SPLINTER TEAM

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# UNDERSTANDING THE PROBLEM

## ◆ What the problem **IS**:

**Generating optimized MAMs allowances for SNAP ASI**

- Limitations of NAVICP Allowance Model

**Lack of Accurate Inventory Aids**

## ◆ What the problem **IS NOT**:

**Inaccurate MAMs identification and equipment specific MAMs allowances in WSF Level C...**

**The data in the WSF is correct and complete** - we currently don't have the capability to get it to the ship in a timely and accurate manner

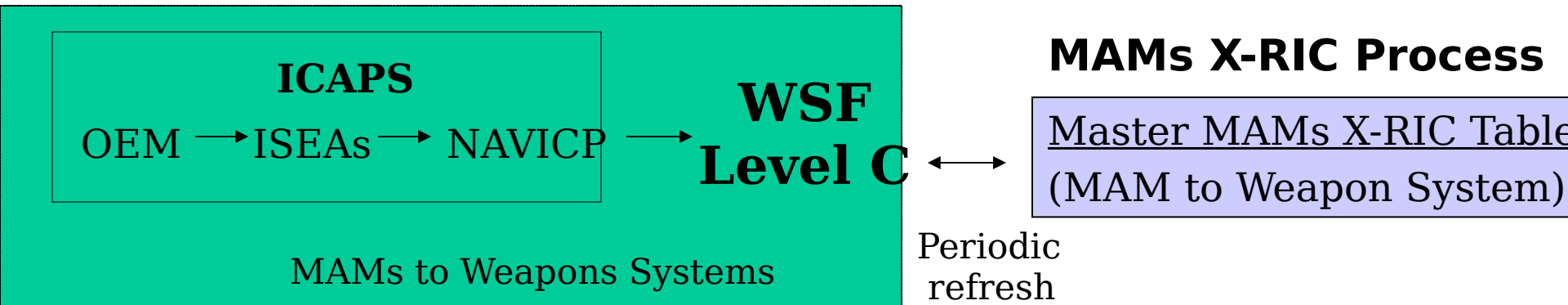
# OPTIMUM ALTERNATIVE

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- ◆ Generate optimized MAMs allowances within CDMD-OA
  - Use existing provisioning process and configuration data
- ◆ All MAMs would be assigned an X-RIC for configuration management
- ◆ MAMs allowances on any given ASI will reflect the actual total onboard allowance

# MANAGING MAMS AS CONFIGURATION ITEMS"... PROCESS DESCRIPTION

## PROVISIONING



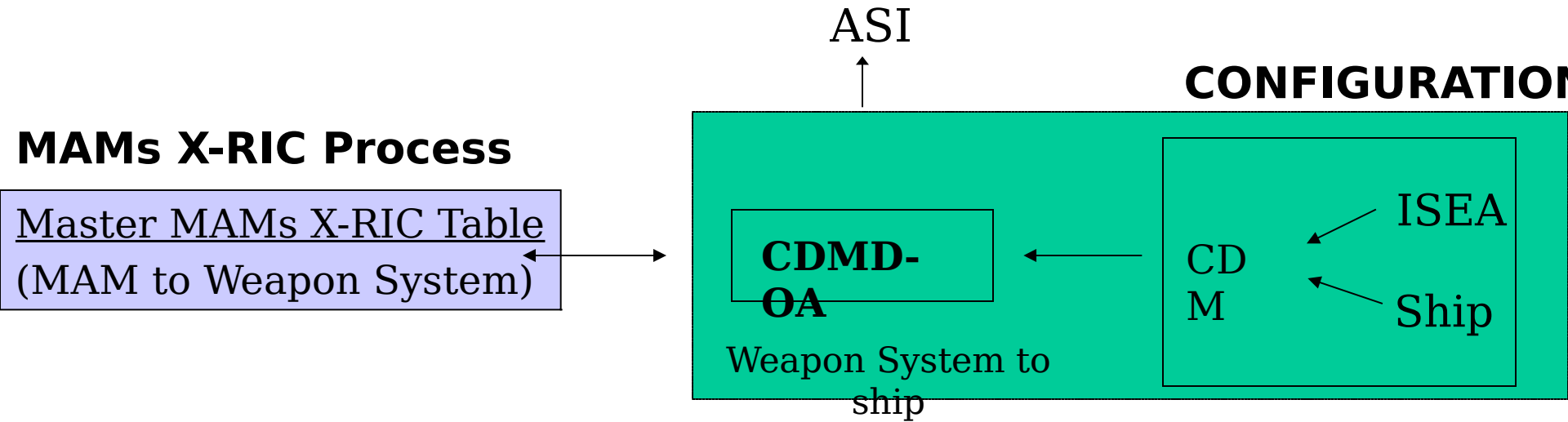
### WSF Level C

- Identifies all APLs containing MAMs and the MAMs allowance per equipment/system applications
- Alterations to equipments/systems (range add/delete, depth increase/decrease)

### X-RIC Table

- Identifies each MAM and all equipment/system APL applications (higher assemblies)

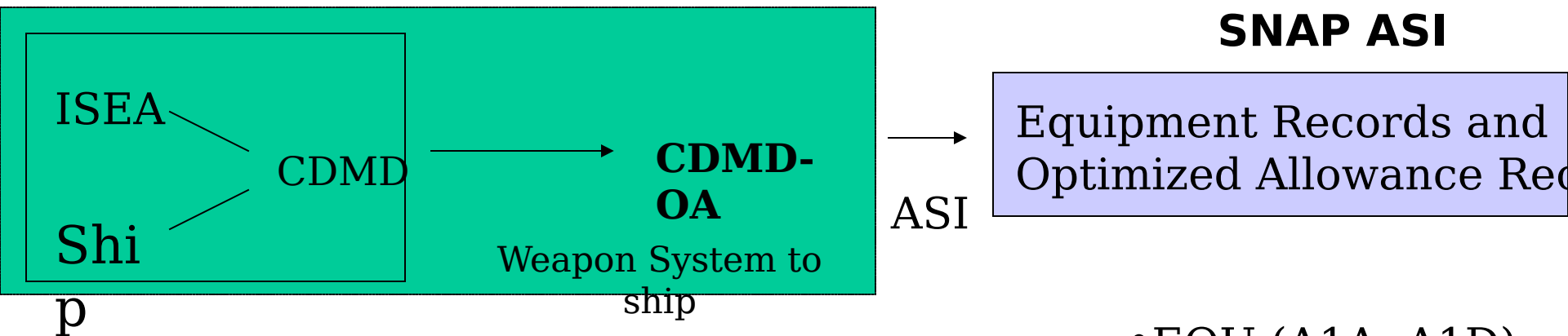
# MANAGING MAMS AS CONFIGURATION ITEMS"... PROCESS DESCRIPTION



- X-RIC table automatically builds MAMs configuration records
- Based on ship's equipment configuration
- Each RIN record - Quantity of "1"
- Data supplied from Parent equipment
  - Location
  - Work Center

# MANAGING MAMS AS CONFIGURATION ITEMS"... PROCESS DESCRIPTION

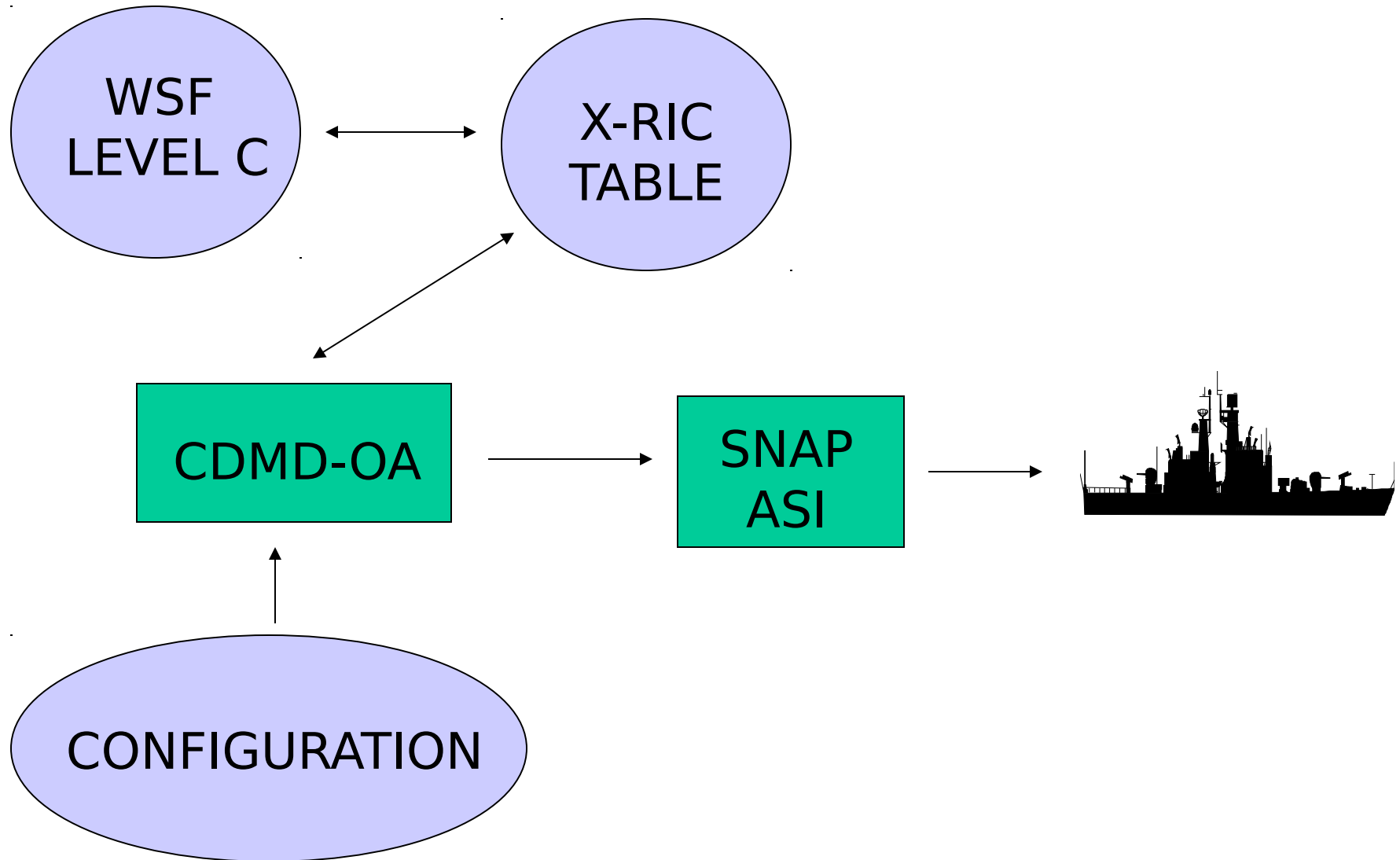
## CONFIGURATION



- Single summarization of MAMs X-RIC records to compute total ship MAMs allowance
- Create SNAP SRF “E” records

- EQU (A1A, A1D)
- SRF (E1A, E1D)

# MANAGING MAMS AS CONFIGURATION ITEMS"... PROCESS OVERVIEW



# MANAGING MAMS AS CONFIGURATION ITEMS"... THE BENEFITS

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- ◆ Uses existing ASI processing to adjust shipboard records
- ◆ Compatible with all versions of SNAP
  - CDMD-OA generates:
    - ◆ A records
    - ◆ E records
    - ◆ X05 records
- ◆ Inventory using existing SNAP reports
  - Contains additional descriptive information
  - More flexible sort methods for obtaining validation sheets (several sort orders available)



# MANAGING MAMS AS CONFIGURATION ITEMS"... THE BENEFITS

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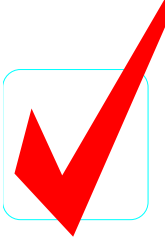
- ◆ MAMs adds and deletes accurately reflected in ships files (ALL the time)
- ◆ Negative quantity indicator considered in computing total ships allowance
- ◆ Unlimited number of MAMs locations
- ◆ Additional description information such as parent APL which drove the allowance

# MANAGING MAMS AS CONFIGURATION ITEMS"... A WIN- WIN SOLUTION

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- ◆ No Increase in Workload
  - Ship
  - ISEA
  - CDM
- ◆ Perpetuate MAMs Identification and Equipment Application in "COS" File
- ◆ Research Tools Based on WSF Level C Data
- ◆ No Major Provisioning Process Policy Changes

# THE WAY AHEAD

- ◆ Fleet Concurrence 
- ◆ CDMD-OA Design Changes
  - Price/Schedule
- ◆ Implementation
  - Prototype
  - Fleet-wide

## **GOAL**

Provide optimized shipboard allowances and accurate inventory tools for MAMs

management